


Please type a plus sign (+) inside this box 

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 16515.102

First Inventor Albert BORONAT

Title Nucleic Acid Sequences to Proteins Involved in Isoprenoid Synthesis

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☐ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 35]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
5. Oath or Declaration [Total Pages 3]
 - a. ☒ Unexecuted
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☒ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☒ paper
 - c. ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement [] Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 [] Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: 09 / 549.787

Prior application information: Examiner A. Nelson

Group / Art Unit: 1638

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

or ☐ Correspondence address below

(Insert Customer Number or Bar Code Label here)

Name

28381

PATENT TRADEMARK OFFICE

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

David R. Marsh/June E.
Cohan/Milan M. Vinnola

Registration No. (Attorney/Agent)

41,408/43,741/45,979

Signature

Milan M Vinnola

Date

November 13, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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555 Twelfth Street, NW
Washington, DC 20004-1206

Box - 50
A
JC986 U.S. PTO
09/987025
11/13/01

November 13, 2001

Box Patent Application

Commissioner for Patents
Washington, DC 20231

Re: U.S. Continuation Application based on U.S. Application
No. 09/549,787 filed April 14, 2000
Appl. No.: To be Assigned
Filed: Herewith
For: ***Nucleic Acid Sequences to Proteins Involved in Isoprenoid
Synthesis***
Inventors: BORONAT *et al.*
Atty Docket: 16515.102

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office (PTO):

1. Utility Patent Application Transmittal (PTO/SB/05);
2. U.S. Continuation Application entitled:
Nucleic Acid Sequences to Proteins Involved in Isoprenoid Synthesis
and naming as inventors:
Albert BORONAT, Narciso CAMPOS, and Ganesh M. KISHORE;
the application consisting of:
 - a. a specification containing:
 - (i). 31 pages of a description prior to the claims;
 - (ii). 3 pages of claims (20 claims);
 - (iii). 2 pages of drawings (Figures 1 and 2);
 - (iv). a one (1) page abstract;
 - (v). a paper copy of the sequence listing (5 pages);
 3. a sequence listing in Computer Readable Form (CRF), on floppy diskette;
 4. a Statement Regarding Sequence Submission;

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Commissioner for Patents
Atty. Dkt.: 16515.102
November 13, 2001
Page 2

5. a copy of an unexecuted Declaration and Power of Attorney;
6. a Preliminary Amendment;
7. check No. 144103 in the amount of \$740.00 to cover the filing fee; and
8. two (2) return postcards.

This application is a continuation of U.S. Application No. 09/549,787 filed April 14, 2000, which claims priority to U.S. Application No. 60/129,899 filed April 15, 1999 and U.S. Application No. 60/146,641 filed July 30, 1999, all of which are herein incorporated by reference.

Submitted herewith is a sequence listing in Computer Readable Form (CFR), on floppy diskette.

The sequence listing in Computer Readable Form (CRF) contains one file called "SeqList.txt" which is 10,568 bytes in size (measured in MS-DOS) and was created on November 13, 2001.

Please stamp one of the two attached postcards with the filing date of these documents and return it to our courier, and stamp the other prepaid postcard with the filing date and unofficial application number and return it as soon as possible.

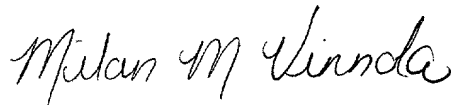
09/549,787
60/129,899
60/146,641

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Commissioner for Patents
Atty. Dkt.: 16515.102
November 13, 2001
Page 3

Applicants do not believe that any fees other than the application filing fee (\$740.00) are due in conjunction with this filing. However, should any additional fees be required, the Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 50-1824 referencing docket number 16515.102. A duplicate copy of this letter is enclosed.

Very truly yours,



David R. Marsh (Reg. No. 41,408)
June E. Cohan (Reg. No. 43,741)
Milan M. Vinnola (Reg. No. 45,979)

Enclosures

1065705 53028650

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

BORONAT *et al.*

Appln. No.: To Be Assigned

Filed: Herewith

For: *Nucleic Acid Sequences to Proteins
Involved in Isoprenoid Synthesis*

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 16515.102

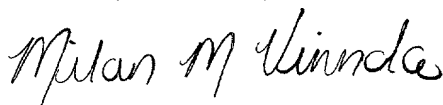
Statement Regarding Sequence Submission

Commissioner for Patents
Washington, DC 20231

Sir:

The paper copy of the Sequence Listing and the computer-readable form (CRF) of the Sequence Listing submitted herewith in the above-mentioned application are the same.

Respectfully submitted,



David R. Marsh (Reg. No. 41,408)

June E. Cohan (Reg. No. 43,741)

Milan M. Vinnola (Reg. No. 45,979)

Date: November 13, 2001

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